CLAIMS

1. A curable resin composition

which comprises (I) a reactive silicon group-containing polyether oligomer, (II) a copolymer comprising a molecular chain substantially composed of one or more acrylate ester monomer units and/or methacrylate ester monomer units and (III) an accelerator,

said reactive silicon group-containing polyether oligomer having, within the molecule thereof, a partial structure represented by the general formula (1):

$$-O-R^1-CH(R^2)-CH_2-(Si(R^3_{2-b})(X_b)O)_mSi(R^4_{3-a})X_a \quad (1)$$

wherein R^1 represents a divalent organic group of 1 to 20 carbon atoms containing at least one constituent element selected from the group consisting of hydrogen, oxygen and nitrogen, R^2 represents an alkyl group of 1 to 10 carbon atoms, R^3 and R^4 may be the same or different and each represents an alkyl group of 1 to 20 carbon atoms, an aryl group of 6 to 20 carbon atoms or an aralkyl group of 7 to 20 carbon atoms or a triorganosiloxy group of the formula $(R')_3SiO-$, in which R' is a monovalent hydrocarbon group of 1 to 20 carbon atoms and the three R' groups may be the same or different, and where there are two or more R^3 or R^4 groups, they may be the same or different; X represents a hydroxyl group or a hydrolyzable group and, where there are two or more X groups, they may be the same or different; a represents 0, 1, 2 or 3, b represents 0, 1 or 2, m represents an integer of 0 to 19, and the b's in the m $-(Si(R^3_{2-b})(X_b)-O)-$ groups may be the same or different, provided that the condition $a + \Sigma b \geqq 1$ is satisfied.

2. The curable resin composition according to Claim 1, wherein R^1 in component (I) is CH_2.

3. The curable resin composition according to Claim 1 or 2, wherein R^2 in component (I) is CH_3.

4. The curable resin composition according to any of Claims 1 to 3,

wherein component (I) is a reactive silicon group-containing polyether oligomer having a partial structure represented by the formula:

$-O-CH_2-CH(CH_3)-CH_2-Si(CH_3)(OCH_3)_2$

5. The curable resin composition according to Claim 1,

wherein component (I) is a reactive silicon group-containing polyether oligomer obtainable by reacting a polyether oligomer having an unsaturated bond introduced therein of the general formula (2):

$-O-R^1-C(CH_3)=CH_2$ (2)

wherein R^1 is as defined above,

with a reactive silicon group-containing compound represented by the general formula (3):

$H-(Si(R^3_{2-b})(X_b)O)_mSi(R^4_{3-a})X_a$ (3)

wherein R^3, R^4, a, b, m and X are as defined above,

in an oxygen-containing atmosphere in the presence of a catalyst and a sulfur compound.

6. The curable resin composition according to Claim 5,

wherein component (I) is a reactive silicon group-containing polyether oligomer having a partial structure represented by the formula:

$-O-CH_2-CH(CH_3)-CH_2-Si(CH_3)(OCH_3)_2$

as obtainable by reacting a polyether oligomer having an unsaturated bond introduced therein of the formula:

$-O-CH_2-C(CH_3)=CH_2$

with a reactive silicon group-containing compound of the formula:

$H-Si(CH_3)(OCH_3)_2$

in an oxygen-containing atmosphere in the presence of a catalyst and a sulfur compound.

7. The curable resin composition according to any of Claims 1 to 6,

wherein component (II) is a copolymer comprising a molecular chain substantially composed of (a) acrylic and/or methacrylic ester monomer units having a hydrocarbon group of 1 to 8 carbon atoms, and (b) acrylic and/or methacrylic ester monomer units having a hydrocarbon group of 10 or more carbon atoms.

8. The curable resin composition according to any of Claims 1 to 7,

wherein component (II) is a copolymer having a silicon group crosslinkable under siloxane bond formation.